2006 Tamil Nadu Open University M.C.A

(MCA) - 2043 MCA-04/PGDCA-03 Elements of System Analysis and Design

First Semester January 2006 Question paper

Time: 3 hours
Maximum marks: 60

Answer any FOUR questions.
PART A - (4 x 5 = 20 marks)

1. What is a System? Justify why designers claim that a system is an aggregation of sub systems.

2. Justify the need for feasibility study.

3. Compare sequential and random file organization.

4. What is bench mark testing? Discuss.

5. State and briefly discuss the importance of Graphical User Interface design.

6. State and discuss the components of multimedia.

7. What is information system planning? Discuss.

PART B - (5 x 10=50 marks)
Answer any FIVE questions.

8. With a neat sketch discuss the various phases of the system development life cycle.

9. Develop a data flow diagram for a railway reservation system. State any assumptions you make.

10. What is modularization? State the various characteristics of modules.

11. Perform a comparative study between file systems and database management systems.

12. State And documentation. discuss the different types of Graphical User Interface design.

13. What are the three levels of management? Discuss the same in detail.

14. State the procedure that will generally be followed in system evaluation and then selection.